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लं० ७] नई किल्मी, अनिवार, फरवरी १४, १९८७ (माघ २५, १९०८)

No. 7] NEW DELHI, SATURDAY, FEBRUARY 14, 1987 (MAGHA 25, 1908)

इस भाग में चिह्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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PATENTS AND DESIGNS

Calcutta, the 14th February 1987

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CORRIGENDUM

In the Gazette of India Part III, Section 2 dated 19th April, 1986 under the heading "PATENTS SEALED" delete 155196.

REGISTRATION OF PATENT AGENTS

The following persons have been registered as Patent Agents :—

1. Shri P. K. Biswas,
26, Garfa Main Road,
Jadavpur,
Calcutta-700 075.
2. Shri R. C. Tyagi,
26, Budhana gate,
Meerut,
U.P.-250 002.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

214, ACHARYA JAGADISH BOSE ROAD
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 8th January 1987

23/Cal/87. E. I. Du Pont De Nemours And Company. False twisted differential tension yarn.

24/Cal/87. Trade & Industry Private Limited. Tea processing.

The 9th January 1987

25/Cal/87. Messrs Mining & Allied Machinery Corporation Limited. Improvements in or relating to idlers or idle rollers for use in conveyors.

26/Cal/87. Kone Elevator GmbH. Short-circuit control unit for thyristor bridge.

27/Cal/87. Kone Elevator GmbH. Procedure and means for braking a motor with short-circuited rotor.

28/Cal/87. Kone Elevator GmbH. Floor selector for lift.

The 12th January 1987

29/Cal/87. Shri Dharendra Nath Sengupta and Smt. Krishna Sengupta. A process of preparing waterproof Anti-Corrosive surface coating/impregnating composition from liquids tars obtained as coal and wood distillates.

30/Cal/87. Nanigopal Jana. Tortor furensinum.

31/Cal/87. Nanigopal Jana. Fowl plaguinum.

32/Cal/87. Nanigopal Jana. Fown poxinum.

33/Cal/87. Nanigopal Jana. Gumboronum.

34/Cal/87. Nanigopal Jana. Marekinum.

35/Cal/87. Kraftwerk Union Aktiengesellschaft. Method and apparatus for detecting and localizing local overheating in liquid-cooled winding of electric machines.

36/Cal/87. John F. Dougherty. Fastener for a lace or rope of the like.

37/Cal/87. Hitachi Construction Machinery Co. Ltd. Control system for controlling input power to hydraulic pumps of hydraulic driving system.

38/Cal/87. Westinghouse Electric Corporation. Improvements in or relating to moisture pre-separator for a steam turbine exhaust.

The 13th January 1987

39/Cal/87. Delaware Chemicals Corporation. Non-throttling discharge pump.

- 40/Cal/87. E. I. Du Pont De Nemours And Company. Polymerization of aromatic polyimides.
- 41/Cal/87. Hitachi Ltd. & Hitachi Engineering Co. Ltd. Method and apparatus for switching multi-running central processing units.
- 42/Cal/87. Kone Elevator GmbH. Method and device for elevator dc drive motor stabilization.
- 43/Cal/87. Kone Elevator GmbH. Procedure for arranging the signalling of a lift, and call button station.
- 44/Cal/87. Kone Elevator GmbH. Procedure and means for controlling the direct current motor of a lift in emergency braking.

The 14th January 1987

45/Cal/87. Beloit Corporation. Jet velocity measuring apparatus.

46/Cal/87. Beloit Corporation. Dryer differential pressure controller.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH

MUNICIPAL MARKET BUILDING, IIIrd. FLOOR
KAROL BAGH, NEW DELHI-5

The 22nd December 1986

1119/Del/86. Surendra Singh Sarang, "Ball joint assemblies".

1120/Del/86. Bharat Starch and Chemicals Limited. "Improvement in or relating to a method of modifying starch for use in oil well drilling and method of preparing drilling mud containing such starch".

1121/Del/86. PPG Industries, Inc., "Apparatus for heating material particularly for liquefying glass batch material".

1122/Del/86. PPG Industries, Inc., "Method and apparatus for liquefying fusible material such as glass".

1123/Del/86. Loadarm Australia Pty. Limited, "Bore screen". (Convention date 7th January, 1986, Australia).

1124/Del/86. Dorr-Oliver Incorporated, "Membrane cell culturing device".

1125/Del/86. En-Tout-Cas Plc., "Substitute ground surface material". (Convention date 14th January, 1986, U.K.).

1126/Del/86. UOP Inc., "Improved dehydrocyclodimerization process".

The 23rd December 1986

1127/Del/86. Associated Electronics Research Foundation, "A device for monitoring the outgoing STD calls on a telephone line".

1128/Del/86. O & K Orenstein & Koppel Aktiengesellschaft, "Apparatus for the classifying of powdered bulk materials".

1129/Del/86. Germain Rosenbluth, "A method of reduction of unburnt combustion particles and an agent for the application of said method".

1130/Del/86. The Lubrizol Corporation, "Antioxidant compositions".

1131/Del/86. Institut National Polytechnique De Toulouse (I.N.P.T.), "Method for processing aqueous sugared juice with a view to separating and selecting the ketonic-function saccharides".

1132/Del/86. STC Plc., "Data transmission equipment". (Convention date 22nd January, 1986, U.K.).

1133/Del/86. Unique Mobility, Inc., "Lightweight high power electromagnetic transducer".

1134/Del/86. Ovonic Synthetic Materials Company, Inc., "Enhanced remanence permanent magnetic alloy bodies thereof".

The 24th December 1986

1135/Del/86. R. D. Jayal, "Steering column cover".

1136/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of a catalyst composite material useful for naphtha reforming".

1137/Del/86. Council of Scientific and Industrial Research, "A process for the extraction of metal valves from deep sea polymetallic nodules by direct reductive ammonia leaching".

1138/Del/86. Council of Scientific and Industrial Research, "An improved process for the phosphosulphidated Jojoba oil useful as multifunctional additive".

1139/Del/86. Council of Scientific and Industrial Research, "A method for the manufacture of an extreme pressure industrial gear oil".

1140/Del/86. Council of Scientific and Industrial Research, "An improved process for the Sulphurisation of Jojoba oil for use as an extreme pressure additive".

1141/Del/86. Council of Scientific and Industrial Research, "An improved process for the preparation of 2-(3-phenoxyaryl) alkanols".

1142/Del/86. Council of Scientific and Industrial Research, "Improvement in or relating to the process for the preparation of anti-tarnishing lacquer for copper and its alloys".

1143/Del/86. Frank Manchak, JR., "In situ hazardous waste treating apparatus and method of using same".

1144/Del/86. FMC Corporation, "Herbicidal 1-Aryl-4-substituted-1, 4-Dihydro-5H-Tetrazol-5-ones and sulfur analogs thereof".

1145/Del/86. Council of Scientific and Industrial Research, "A process for the enrichment of silica in commercial sodium silicate solutions".

The 26th December 1986

1146/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of 2, 2'-Dicarbalkoxymino 5, 5'-Dibenzimidazoly ketones".

1147/Del/86. Council of Scientific and Industrial Research, "A continuous process for manufacture of fatty products of low unsaturation and hydroxyl content by simultaneous dehydration and hydrogenation of hydroxyl unsaturated fatty materials".

1148/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of 2, 2'-Dicarbalkoxyamino-5, 5'-dibenzimidazoly ketones".

1149/Del/86. Desh Mitter Gupta, "Mitter tricycle".

The 30th December 1986

1150/Del/86. Colgate-Palmolive Company, "Stabilized dental cream".

1151/Del/86. The B. F. Goodrich Company, "Improved process for producing porous spherical polyvinyl chloride particles".

1152/Del/86. Societe Alsacienne De Material Textile, "Method and device for the inserting of west yarns into the shed of a weaving machine".

1153/Del/86. Belgorodsky Tekhnologichesky Institut Stroitelnykh materialov Imeni I. A. Grishmanova, "Ball-tube Mill".

1154/Del/86. Belgorodsky Tekhnologichesky Institut Stroitelnykh Materialov Imeni I. A. Grishmanova, "Ball-tube mill".

1155/Del/86. Manoj Kumar Rewalia, "Carpet/Seat/Corner cleaner".

The 31st December, 1986

1156/Del/86. Colgate-Palmolive Company, "Stable single dose oral product".

APPLICATIONS FOR PATENTS FILED IN THE
PATENT OFFICE BRANCH

AT TODI ESTATES, III RD FLOOR
SUN MILL COMPOUND
LOWER PAREL (WEST), BOMBAY-13

The 26th November 1986

322/Bom/86. K. R. Dholaria, A water lifting device with the help of steam energy.

323/Bom/86. R. V. Sahasrabundhe, Bent axis coupler.

324/Bom/86. Rolland Sprinklers Pvt. Ltd. An improved method of connecting the pipes and the like.

The 1st December 1986

325/Bom/86. U. J. Mahashabde, Mercury water level indicator.

326/Bom/86. Sudarshan Chemical Industries Ltd. A process for the preparation of N-(P-isopropyl) Phenyl N, N-Dimethyl urea.

327/Bom/87. M. J. Mendonca, An improved heavy duty double action floor spring device for controlled closing of a swing door after manual opening on either side.

The 2nd December 1986

328/Bom/86. The Standard Mills Co. Ltd. A process for removal of impurities from recovered caustic soda solution from the mercerising process.

329/Bom/86. The Standard Mills Co. Ltd. A process for 'White' and 'Coloured' discharge printing or polyester cellulosic blended fabrics.

330/Bom/86. Inteckle Enterprise, An amusement device/toy.

331/Bom/86. Topline pharmaceuticals Limited, An improved therapeutic composition.

332/Bom/86. Rotomould (India) Vijay Industrial Estate Pvt. Ltd. Method of moulding containers made of plastics materials, having multicoloured layer.

The 3rd December 1986

333/Bom/86. Mangesh Enterprises, A wiper blade attachment to any known, mixer.

The 5th December 1986

334/Bom/86. Charles Kaeser, Portable Hydroelectric generating Set.

The 8th December 1986

335/Bom/86. I. J. Lodaya, A portable table-cum-suit case.

The 11th December 1986

336/Bom/86. Hindustan Lever Ltd. Oral hygiene product.

337/Bom/86. L. Sannabhadti, A circuit for converting direct current to alternating current.

338/Bom/86. M. H. Desai, Solar Stove.

The 11th December 1986

339/Bom/86. A. M. Solanki. A Gayser.

340/Bom/86. S. Sunder Dayakishan Munshi. An improved blow mould in bottle making machinery.

The 12th December 1986

341 Bom/86. Anil Chemicals Ltd. A machine for homogeneous mixing of Ammonium Nitrate with fuel oil on continuous basis.

**APPLICATION FOR PATENTS FILING AT FOR
PATENT OFFICE BRANCH, MADRAS**

61, WALLAJAH ROAD, MADRAS-600 002

The 29th December 1986

1017/Mas/86. M. J. Joseph, Arecaanut Dehusking Machine.

1018/Mas/86. Donald H. Macadam, Contact Assembly for a Switch.

1019. Mas/86. Dentavolgye MGTSZ, Method and Apparatus for Reinstating Outworn Ingot Moulds. (September 29th, 1986, U.K.).

1020/Mas/86. Pfister GMBH., "Flat—Spread Force measuring Device".

The 30th December, 1986

1021/Mas/86. Lameplast Di Giovanni Ferrari and C.S.N.C., plastic container for the controlled delivery of powders and of liquids as drops, provided with piercing closure capsule, suitable to be actuated at use time.

1022/Mas/86. A. Ahlstrom Corporation. A circulating fluidized bed reactor and a method of separating solid material from the flue gases.

1023 Mas/86. Ono of 28700 Auneau, Distributing Device for the Manufacture of Multilayer Sheets.

1024. Mas/86. Mobil Oil Corporation, "Hydrodewaxing Method and Apparatus".

1025/Mas/86. University of Southern California. System and Method of Detecting Visual Field Defects.

The 1st January 1987

0001 Mas/87. BPB Industries Public Limited Company, Improvements in Calcination Apparatus. (January 7th, 1986, United Kingdom).

The 2nd January 1987

0002 Mas/87. Union Carbide Corporation, New Improved Orthopedic/Orthotic Splint Materials.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 129-G & 131-B₃

158887

Int. Cl. : E 21 c 19/00.

**CUTTING HEAD FOR DRIFT ADVANCING
MACHINES AND PROCESS FOR PRODUCING SAME.**

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : 1. GOTTFRIED TRAUMULLER, 2. WILFRIED MAIER, 3. FRANZ SCHOFFMANN, 4. HERWIG WRULICH.

Application No. 970/Cal/83 filed August 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

3 Claims

Cutting head (1) for drift advancing machines and comprising bits arranged on its circumference and having outlet nozzles for the discharge of cooling water, which outlet nozzles can be supplied with water via passages (14 respectively 16) extending within the cutting head (1) in axial direction thereof, the cutting head base member consisting of annular discs (2) adjoining one the other in axial direction and being mutually connected by welding, characterized in that the passages (14 respectively 16) extending within the cutting head (1) are designed as bores extending through the weld beads (19) of adjacent discs (2) of the cutting head base member.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

CLASS : 129-G.

158888

Int. Cl. : B 21 c 1/00.

**APPARATUS FOR PRODUCTION OF WOUND
STRINGS SUITABLE FOR USE IN MUSICAL INSTRUMENTS.**

Applicant : MUSICAL STRING RESEARCH BUREAU, OF P.O.-BAIDYABATI, G. T. Road, DISTRICT-HOOGLY, WEST BENGAL, INDIA.

Inventor : 1. DURGA PRASAD MUKHERJEE.

Application No. 980/Cal/83 filed August 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims

An apparatus for producing wound strings suitable for use in musical instruments, comprising a framework constituted by a base and two sets of upstanding arms mounted on the base, the said sets of arms being longitudinally spaced from each other to accommodate the desired length of a string to be produced, a set of rotatable holding means journaled on both said sets of arms and disposed in alignment with each other, for holding a flat/round core wire of desired characteristics, such a herein described in horizontal deposition, a shaft/mandrel rotatably supported in-between the said sets of arms and disposed horizontally below the said holding means, the exterior ends of the said shaft/mandrel being operatively connected to the said holding

means at either end through gearing, and one end of the said shaft/mandrel being connected to a drive source for its rotation, a handle provided at any of the ends of the said shaft/mandrel, through freewheel, for manual rotation of the shaft/mandrel, as and when desired, a guide rod securely fixed in between the said sets of arms and horizontally disposed above the said holding means, the arrangement being such that on rotating the said shaft manually or by the drive source, the flat/round core wire held in between the said arms is caused to be rotated, and a fine wire of desired characteristics, such as herein described, is caused to be wound around the said core wire by fixing one end of the said fine wire onto an end of the core wire, and linearly moving the fine wire, guided around the said guide rod, in relation to the rotating core wire.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 129-B.

158889

Int. Cl. B 21 c 1/00.

APPARATUS FOR SIMULTANEOUSLY PRODUCING TWO WOUND STRINGS SUITABLE FOR USE IN MUSICAL INSTRUMENTS.

Applicant : MUSICAL STRING RESEARCH BUREAU, OF P. O. BAIDYABATI, G. T. ROAD, DISTRICT-HOOGLY, WEST BENGAL, INDIA.

Inventor : I. DURGA PRASAD MUKHERJEE.

Application No. 981/Cal/83 filed August 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims

An apparatus for simultaneously producing two wound strings, suitable for use in musical instruments, comprising a framework, constituted by a base and two sets of up-standing arms mounted on the base, the said sets of arms being longitudinally spaced from each other to accommodate the desired length of two strings, to be held parallelly to each other, two sets of rotatable holding means journaled on both said sets of arms one above the other, and each said set of holding means being disposed in alignment with each other, for holding two flat/round core wires of desired characteristics, such as herein desired, in horizontal disposition, a shaft/mandrel rotatably supported in between the said sets of arms and disposed horizontally below the said holding means, the exterior ends of the said shaft/mandrel being operatively connected to both said sets of holding means at either end through gearing, and one end of the said shaft/mandrel being connected to a drive source for its rotation, a handle provided at any of the ends of the shaft, through freewheel, for manual rotation of the shaft, as and when desired, a guide rod securely fixed in between the said sets of arms and horizontally disposed above the said holding means, the arrangement being such that on rotating the said shaft manually or by the drive source, the flat/round core wires held in between the said arms are caused to be rotated in opposite direction to each other, and two fine wires of desired characteristics, such as herein described, are caused to be wound, each around each of the flat/round core wires, as desired, by fixing one end of each said fine wire onto the end of the respective core wire, and linearly moving the fine wires, guided around the said guide rod, in opposite direction to each other and in relation to the rotating core wires.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 107-I.

158890

Int. Cl. : F 02 m 3/00.

CARBURETOR FOR INTERNAL COMBUSTION ENGINES.

Applicant : DELL'ORTO S.p.A. OF VIA S. ROCCO, 5, 20038 SERFEGNO, MILAN, ITALY.

Inventor : J. PIERLUIGI DELL'ORTO.

Application No. 982/Cal/83 filed August 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

6 Claims

Carburetor for internal combustion engines, comprising a pneumatic device for the complete closing of the throttle valve of the mixture, characterized in that it comprises a diaphragm member, controlled by the lower pressure downstream of said valve in the main duct of the carburetor, apt to release check means in the conventional slow running position of said valve.

Compl. Specn. 7 pages.

Drgs. 2 sheets.

CLASS : 49-B & H; 98-I.

158891

Int. Cl. F 24 j 3/02; A 47 j 27/00.

REFLECTOR BOOS TED BOX TYPE SOLAR COOKER OF A NOVEL DESIGN.

Applicant & Inventor : DEBABRATA MAJUMDAR, 52B/1C, SOUTH SINTHEE ROAD, CALCUTTA-700 050, INDIAN.

Application No. 1021/Cal/83 filed August 19, 1983.

Complete specification left on 17th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims

A box type solar cooker comprising a double walled heat insulated rectangular box with the top (lid) and one vertical side transparent and two sets of plane reflectors arranged such that solar energy could be reflected inside the box through the lid by one set and through the transparent side by another set, the reflectors having such dimensions that they cover the transparent parts of the closed box completely when the cooker is kept out of use.

Prov. Specn. 4 pages.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 129-I.

158892

Int. Cl. B 21 h 35/00.

HOT MILL HYDRAULIC DIRECT ROLL DRIVE.

Applicant : KENNECOTT CORPORATION, OF 101 PROSPECT AVENUE, CLEVELAND, OHIO-44115, UNITED STATES OF AMERICA.

Inventor : I. GEORGE SHINOPULOS.

Application No. 1231/Cal/83 filed October 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

4 Claims

In a hot rolling mill that includes a frame, a pair of small diameter rolls rotatably mounted in the frame, and means urging the rolls toward one another to produce a large reduction of a metallic strand into a narrow strip, the improvement comprising drive means for rotating said rolls about their longitudinal axes comprising :

a hydraulic motor associated with each of said rolls that produces a high torque output at a controlled uniform speed, and

means for directly coupling said hydraulic motors with the associated one of said rolls.

Compl. Specn. 14 pages.

Drgs. 5 sheets.

CLASS : 190-B.

158893

Int. Cl. F 02 c 7/00.

AIRFOIL BLADES FOR A COOLED FIRST STAGE ROTOR OF A LAND-BASED COMBUSTION TURBINE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. DAVID LEE BROWN, 2. WILLIAM KILBY FENTRESS, 3. MELVIN DALLAS TAYLOR.

Application No. 1238/Cal/83 filed October 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

6 Claims

An airfoil blade for a cooled first stage rotor of a land-based combustion turbine capable of driving an electric generator to generate electric power in the range of one hundred megawatts, said blade comprising;

an airfoil portion having a leading edge and a trailing edge with concave and convex surfaces therebetween providing a smooth airfoil surface;

a root portion for affixing said blade to a turbine rotor;

a platform portion joining said airfoil portion to said root portion;

said airfoil portion having :

a gradually decreasing cross-sectional area with increasing radius;

a maximum cross-sectional thickness which between said convex and concave sides decreases with increasing radius from approximately 1.0 inch to approximately 0.78 inch;

a cross-sectional width which decreases with increasing radius from approximately 3.853 inches to approximately 3.240 inches;

a chord which decreases with increasing radius from approximately 4.051 to 3.965;

said leading edge having a radius which decreases with increasing radius from 0.141 inch to 0.102 inch.

Compl. Specn. 17 pages.

Drgs. 4 sheets.

CLASS : 128-E.

158894

Int. Cl. : G 01 j 5/00.

AN INFRARED RADIATION-DETECTING SYSTEM.

Applicant : BARR & STROUND LIMITED, OF CAXTON STREET, ANNIESLAND, GLASGOW G13 1HZ, SCOTLAND.

Inventor : 1. IAIN ALEXANDER NEIL.

Application No. 1285/Cal/83 filed October 19, 1983.

Convention dated 6th November, 1982 (82 31750) U. K.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

6 Claims

An improved infrared radiation-detecting system comprising an optical imaging system for receiving radiation from a field of view and delivering said radiation to an image surface, a detector unit having a detecting surface formed by one or more detector elements located in a cold-shield housing having a cooled aperture which limits the radiation acceptance angle of the detector unit whereby the detector unit is background limited, and a transfer lens system intermediate said image surface and said detector

unit for transferring infrared radiation therebetween and focussing the transferred radiation at the detecting surface of said detector unit, characterised in that said transfer lens system is composed of four lens elements that one of the lens elements adjacent said image surface being negatively powered and the other three of said lens elements being positively powered, the relative powers of said four lens elements being selected with respect to the curvature of said image surface to provide a field curvature of radiation focussed at the detecting surface coincident with the physical curvature of said detecting surface, and the respective axial dimensions of the air space between the two lens elements proximal the image surface and between the two lens elements proximal the detecting surface being substantially greater than that of the remaining air space of the transfer lens system, said axial dimensions being selected to locate the pupil formed by the transfer lens system coincident with said cooled aperture, the overall power of the transfer lens system being selected to dimension the pupil formed by the transfer lens system to match the dimension of the cooled aperture and the curvature of the refractive surfaces of said lens elements being selected to provide low field aberrations.

Compl. Specn. 14 pages.

Drg. 1 sheet.

CLASS : 32-F₈ (a).

158895

Int. Cl. : C 07 c 39/00.

PROCESS FOR PREPARATION OF MONOALKOXY PHENOLS BY VAPOUR PHASE.

Applicant : RECKITT & COLMAN OF INDIA LIMITED OF 41, CHOWRINGHEE ROAD, CALCUTTA-700 071, STATE OF WEST BENGAL.

Inventors : 1. DR. SURENDRA PRASAD BHATNAGAR, 2. DR. AJAI PRAKASH, 3. DR. SATISH CHANDRA MISRA, 4. MARUTI SHANTARAM RAIKAR.

Application No. 1415/Cal/83 filed November 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the preparation of mono alkoxy phenols as herein defined by vapour phase which comprises reacting catechol with alkyl alcohol at a temperature 250°C—350°C, preferably 270°C—350°C, in presence of catalyst system characterized in that said catalyst system consists of aluminium hydroxide, boric acid, phosphoric acid and hyflo-supercell, (a mixture of silicates), first three components having the molar range of 0.1 to 1 : 0.1 to 6 : 1 to 5 and last component being taken as 2 to 20% by weight of catalyst system.

Compl. Specn. 8 pages.

Drg. Nil.

CLASS : 32-F₂ (c).

158896

Int. Cl. C 07 c 97/00.

IMPROVED PROCESS FOR THE PREPARATION OF 5-DIETHYLAMINO PENTAN-2-ONE.

Applicant : RECKITT & COLMAN OF INDIA LIMITED OF 41, CHOWRINGHEE ROAD, CALCUTTA-700 071, STATE OF WEST BENGAL, INDIA.

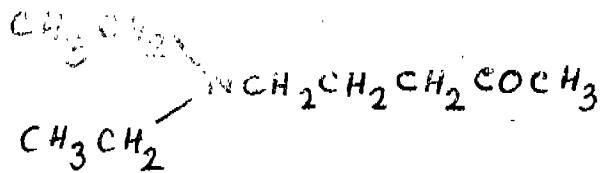
Inventors : 1. DR. SURENDRA PRASAD BHATNAGAR, 2. DR. AJAI PRAKASH, 3. DR. RAMA NUJAM SRINIVASA PRASAD.

Application No. 1416/Cal/83 filed November 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

3 Claims

Improved process for the preparation of 5-diethylamino-pentan-2-one of Formula I of the accompanying drawings,



which comprises reacting 5-chloropentan-2-one with diethylamine characterized in that reaction is carried out in presence of anhydrous alkaline metal carbonate at a temperature range of 90 to 120°C for 20 to 30 hours.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 32F₃ (c).

158897

Int. Cl. : C01b 25/00.

"A PROCESS FOR THE PREPARATION OF TETRA HYDROXY METHYL PHOSPHONIUM SULFATE".

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH of 19, University Road, Delhi-110 007, India, an Indian Institute.

Inventor : KAMLESH KUMARI.

Application for Patent No. 67/Del/1983 filed on 3rd February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for preparation of tetra hydroxy methyl phosphonium sulphate characterized in passing phosphine into a solution of formaldehyde having a catalyst consisting of silver sulphate and mercury and to which sulphuric acid is added dropwise, of batchwise.

Compl. Specn. 8 pages.

CLASS : 122.

158898

Int. Cl. : B03e 1/02.

"MAGNETIC SEPARATOR".

Applicant : UKRAINSKY INSTITUT INZHENEROV VODNOGO KHOZYAISTVA, of Ulitsa Leninskaya, II Rono, U.S.S.R., U.S.S.R., INSTITUTE.

Inventor : ALEXANDR VASILIEVICH SANDULYAK, VYACHESLAV IVANOVICH GARASHENKO AND OLEG JURIEVICH KORKHOV.

Application for Patent No. 75/Del/1983 filed on 7th February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A magnetic separator comprising chambers filled with a ferromagnetic porous packing and at least two assemblies for magnetizing said packing, which are separated over the length of said chambers, each of said magnetizing assemblies including a magnetic field source and a magnetic circuit with

pole pieces which are conjugated with surfaces of enclosures of said chambers and form a closed magnetic loop jointly with said ferromagnetic packings, characterized in that the distance between said magnetizing assemblies ensures partial superposition of magnetic fields induced in the packing by adjacent magnetizing assemblies to level up magnetization of said packing over the entire length thereof.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

CLASS : 70C₅ & B.

158899

Int. Cl. : B01j 1/04 & C08j 1/34.

"A METHOD OF MANUFACTURING AN ELECTROLYTIC CELL".

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., a British company of Imperial Chemical House, Millbank, London SW1F 3JF, England.

Inventor : PETER JOHN SMITH.

Application for Patent No. 79/Del/1983 filed on 8th February, 1983.

Convention date on 17th February, 1982/8204574/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

A method of manufacturing an electrolytic cell in which method an ion-exchange membrane comprising an organic polymer containing ion-exchange groups or derivatives thereof convertible to ion-exchange groups is secured to the electrolytic cell or to a part thereof, characterised in that the ion-exchange membrane is expanded by stretching such as herein described in order to increase the surface area per unit weight of the membrane and the thus expanded membrane is secured to the electrolytic cell or to a part thereof.

Compl. Specn. 23 pages.

CLASS : 9 A.

158900

Int. Cl. : C22c 21/00.

"PROCESS FOR THE PRODUCTION OF AN ALUMINIUM BASE ALLOY".

Applicant : The Secretary of State for Defense in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland of Whitehall, London SW1A 2HB, England, a British Corporation Sole.

Inventors : BRIAN EVANS & CHRISTOPHER JOHN PFEL.

Application for Patent No. 80/Del/83 filed on 8th February, 1983.

Convention date 26th February, 1982/8205746 & 26th March, 1982/829010/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the production of an aluminium base alloy having the following composition measures in percentage by weight :—

lithium—2.0 to 2.8
 magnesium—0.4 to 1.0
 copper—1.0 to 1.5
 zirconium—up to 0.2
 manganese—up to 0.5
 nickel—up to 0.5
 chromium—up to 0.5
 aluminium—balance

wherein the process comprises the following procedures :—

1. melting within a refractory vessel a material to yield a known quantity of aluminium of known purity;
- (ii) introducing to the melt, in proportions tailored for an intended product alloy having a composition within the range specified above, copper and at least one of the group consisting of zirconium, manganese, nickel and chromium;
- (iii) establishing a melt temperature sufficient to ensure that the above mentioned alloying additions are readily dissolved in the aluminium base;
- (iv) cooling the melt, or allowing the melt to cool, to a temperature sufficiently low that magnesium has a low vapour pressure thereat and thereupon adding lithium and magnesium to the melt in proportions tailored for the intended product alloy;
- (v) applying a conventional liquid metal treatment to the melt to provide grain inoculation, filtration and degassing;
- (vi) casting an ingot from the melt from a controlled superheat temperature according to conventional techniques; and
- (vii) stress relieving and homogenising the ingot at a temperature not exceeding 560 degrees centigrade for a time dependent upon the mass of the ingot.

Compl. Specn. 11 pages.

CLASS : 32E. 158901
Int. Cl. : C08f 3/50.

"A PROCESS FOR THE PREPARATION OF COPOLYMERS AND BLOCK COPOLYMERS OF POLYETHYLENE TEREPHTHALATE".

Applicant : SIR PADAMPAT RESEARCH CENTRE, A Division of J. K. Synthetics Ltd., Jaykaynagar, Kota-324 003 Rajasthan, India, an Indian centre.

Inventor : KESHAV VINAYAK DATYE, AND HEMANT MANCHAR RAJE.

Application for Patent No. 87/Del/1983 filed on 11th February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

6. Claims

A process for the preparation of copolymers and block copolymers of polyethylene terephthalate which comprises in bringing high molecular weight polyethylene terephthalate in contact with its prepolymer and an additive consisting of a comonomer or polymer such as herein described, forming a homogeneous mix ther from and then subjecting said mix to the step of polycondensation.

Compl. Specn. 13 pages.

Drgs. 3 sheets.

CLASS : 32 E. 158902

Int. Cl. C 08 F 3/50.

"A PROCESS FOR THE PREPARATION OF POLYETHYLENE TEREPHTHALATE FROM POLY (ETHYLENE TEREPHTHALATE) WASTE".

Applicant : SIR PADAMPAT RESEARCH CENTRE, A division of J. K. Synthetics Limited, Jaykaynagar, Kota-324 003, Rajasthan, India, an Indian Centre.

Inventors : KESHAV VINAYAK DATYE & HEMANT MANCHAR RAJE.

Application for Patent No. 88/Del/1983 filed on 11th February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A process for the preparation of polyethylene terephthalate from polyethylene terephthalate waste which comprises in contacting the waste in any form with a prepolymer of polyethylene terephthalate in a molten state form a mix, the degree of polymerization of the mix being the average of the degree of polymerization of the prepolymer and waste, homogenizing the mix and then subjecting it to a known step of batch polycondensation.

Compl. Specn. 15 pages.

CLASS : 174 F & 116 E. 158903

Int. Cl. G05d-16/06 & F16f-5/00.

'FLUID PRESSURE DEVICES'.

Applicant : DUNLOP LIMITED, a British company of Dunlop House, Ryder Street, St. James's, London S.W.1. England.

Inventor : CLAUDE ALAPHILIPPE.

Application for Patent No. 109/Del/1983 filed on 18th February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

17 Claims

A fluid pressure containing device comprising a fluid-tight flexible wall having a terminal portion secured fluid-tightly in compression between an end member of the device and an annular pressure piece of the device, the end member and the annular pressure piece having in addition a pair of mutually opposed joint surfaces integral one with the end member and the other with the annular pressure piece which are bonded together to provide a relatively rigid fluid-tight joint therebetween and to secure the flexible wall to the end member.

Compl. Specn. 16 pages.

Drgs. 1 sheet.

CLASS : 122. 158904

Int. Cl. : B03c-3/00, 5/00, 1/02 & B01d-35/06.

"ELECTROMAGNETIC SEPARATOR".

Applicant : UKRAINSKY INSTITUT INZHENEROV VODNOGO KHOZYAISTVA, of Ultisa Leninskaya, II Rovno, U.S.S.R., a U.S.S.R. Institute.

Inventors : ALEXANDR VASILIEVICH SANDULYAK, OLEG JURIEVICH KORKHOV AND VYACHESLAV IVANOVICH GARASCHENKO.

Application for Patent No. 111/Del/1983 filed on 22nd February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An electromagnetic separator comprising chambers filled with a ferromagnetic packing such as herein described, and electromagnets including cores having windings thereon, the electromagnets alternating with the adjacent ferromagnetic packing to produce together three with a closed magnetic loop, at least the end portions of the cores adjoining said chambers being made of a magnetically hard material such as herein defined.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS : 48D₈ & 69 O.

158905

Int. Cl. : H05 K3/30.

"PRINTED CIRCUIT BOARD INCORPORATING A CONNECTING TERMINAL".

Applicant : LA TELEMECANIQUE ELECTRIQUE, of 33 bis, Avenue du Marechal-Joffre, 9200 Nanterre, France, a French company.

Inventors : GABY MARTIN & JEAN MARIE RIQUIER.

Application for Patent No. 128/Del/83 filed on 2nd March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A printed circuit board incorporating a connecting terminal, said connecting terminal comprising a thin flat metallic part having a contact surface fitted with a screw, said metallic part being provided with projecting parallel lugs inserted into openings in said printed circuit board, and soldered to a conducting layer of the circuit of said printed circuit board, characterised in that said metallic part has two flanges folded along a line perpendicular to the board to form a given angle α between themselves said metallic part being provided with three said lugs one of which is close to the fold line while the two others are distant from said line, a threaded hole engaged by a terminal screw said hole being located in one of the flanges such that its centre line is substantially parallel to the plane of the board, said openings of the board being metallized openings and the parallel lugs being inserted in said openings of the board and soldered to them.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

CLASS : 81[XXXIX(4)] & 24D₂[LV].

158906

Int. Cl. : F16k 17/38.

"A SUPERVISORY ALARM ACCESSORY FOR A FIRE SPRINKLER STOP VALVE".

Applicant : WORMALD INTERNATIONAL LIMITED, a company incorporated under the laws of the State of New South Wales, of Alexander and Ernest Streets, Crows Nest, New South Wales, 2065, Australia.

Inventor : BYRNE BARRY FRANCIS.

Application for Patent No. 129/Del/83 filed on 2nd March, 1983.

Convention date March 5, 1982/PF2996/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A supervisory alarm accessory for a fire sprinkler stop valve of the type comprising a rotatable valve actuator driving a valve spindle, said accessory being characterised by an adapter sleeve connectable between said actuator and said spindle to rotate with said actuator and having an externally threaded part, a mount carried by said sleeve, a follower threadably engaged with said threaded part to be displaceable with respect to said mount with rotation of said sleeve, an alarm generator, and activating means supported on said mount and providing an activating connection between said alarm generator and said follower to initiate an alarm with predetermined displacement of said follower with respect to said mount.

Compl. Specn. 8 pages.

Drgs. 4 sheets.

2-457GI/86

CLASS : 203 & 126 A.

158907

Int. Cl. : B65h-25/00.

"APPARATUS FOR DETECTING SURFACE IRREGULARITIES OF AN ELECTRICALLY CONDUCTING STRIP OF INDEFINITE LENGTH".

Applicant : ARMCO INC., a corporation of the State of Ohio, of 703 Curtis Street, Middletown, Ohio, United States of America.

Inventors : WADE STEVEN WRIGHT, JOHN THOMAS VOISINE & GLENN STUART HUPPI.

Application for Patent No. 214/Del/1983 filed on 31st March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

Apparatus for the detection of surface irregularities of an electrically conducting strip of indefinite length through the measurement of changes in electrical capacitance between a nonconducting sensor and a major surface of said strip which comprises a capacitive sensor having a shielded active portion and an oscillator for the supply of a high frequency signal to said sensor characterised in that said sensor comprises :

a centrally located electrically conducting active plate having a generally planar undersurface provided in spaced parallel relationship to a major surface of said strip;

an electrically conducting shield plate having a generally planar undersurface and a central opening for receiving snugly said active plate such that the surfaces of said active plate and said shield plate are substantially coplanar;

insulating means for electrically isolating said active plate from said shield plate, said oscillator being connected to said shield plate for impressing thereon said high frequency signal produced thereby;

a differential amplifier having a first differential input electrically connected to said active plate and a second differential input electrically connected to both the output of said oscillator and said shield plate; and

means connected between said amplifier and said oscillator for subtracting the output signals from said amplifier and said oscillator to eliminate common signals between said shield and active plates and to produce an electrical output signal representative of the capacitances between said active plate and said major surface of said electrically conducting strip.

Compl. Specn. 16 pages.

Drg. 1 sheet.

CLASS : 32 D.

158908

Int. Cl. : C07c-139/00.

"A PROCESS FOR THE PREPARATION OF FERROCHROME LIGNOSULPHONATE".

Applicant : OIL AND NATURAL GAS COMMISSION Tel Bhawan, Dehra Dun, (U.P.) India, an Indian Company.

Inventors : SURENDRA MANI SHARMA, SHAMBHU PRASAD & JAKSHMI NARAIN SARIN.

Application for Patent No. 221/Del/1983 filed on 6th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the preparation of ferrochrome lignosulphonate from spent sulphite liquor which comprises in the steps of converting the liquor to a sodium lignosulphonate solution, reacting said solution with iron and chromium salts to obtain ferrochrome lignosulphonate characterised in that said step of converting the liquor to obtain sodium lignosulphonate comprises in adding ammonium chloride, ammonium hydroxide and disodium hydrogen phosphate to said liquor to obtain a precipitate of magnesium subjecting the slurry to the step of filtration to obtain sodium lignosulphonate.

Compl. Specn. 8 pages.

CLASS : 39L [III].

158909

Int. Cl. : C 01b, 17/74.

"PROCESS FOR THE PRODUCTION OF SULFURIC ACID FROM GYPSUM".

Applicant(s) : KRUPP-KOPPER GMBH, of Moltkestrasse 29, D-4300 Essen 1, Federal Republic of Germany, a German company.

Inventor(s) : HANS-WERNER GOSCH & DORMICHIAN.

Application for Patent No. 229/Del/1983 filed on 6th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

Process for the production of sulfuric acid from gypsum characterised in that

(a) the gypsum as raw material is first subjected to a partial dewatering down to a surface water content of 10 to 15% by weight,

(b) the partially dewatered gypsum is then subjected to a two-stage drying, in which the hot waste gas from the furnace plant with a SO_2 content of at least 8% by volume issued as heat carrier is provided in the first drying stage of the kind such as herein described and a co-current flow of gypsum and heat carrier is provided in the second drying stage of the kind such as herein described,

(c) the SO_2 -containing waste gas of the furnace plant leaving the first drying stage is passed directly into the gas absorber of the sulfuric acid plant,

(d) the dried and calcined gypsum, after having passed through the second drying stage, is passed via a conveyor directly into the heat exchanger of the furnace plant together with the additives (e.g. coke, sand and clay), so that the furnace meal is mixed in the conveyor and/or in the heat exchanger and

(e) treating the said furnace meal in the furnace plant and producing sulfuric acid by any known method.

Compl. Specn. 12 pages.

Drg. 1 sheet.

CLASS : 56 B.

158910

Int. Cl. : C 10g-1/00.

"PROCESS FOR THE PRODUCTION FROM A CRUDE LIGHT COAL OIL, OF A LIGHT COAL OIL CHARGE- STOCK SUITABLE FOR USE IN A PETROLEUM REFINERY CRACKING OPERATION".

Applicant : RUHRKOHLE AG, of 4300 Essen, West Germany and VEBA OEL AG, of 4660 Gelsenkirchen-Buer, West Germany.

Inventors : RER. NAT. ALFONS JANKOWSKI, ING. ULRICH GRAESER & ING. WERNER DOHLER.

Application for Patent No. 234/Del/83 filed on 7th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the production from a crude light coal oil, of a light coal oil chargestock suitable for use in a petroleum refinery cracking operation, said chargestock rendering a product gasoline characterized by a low benzene content, said process comprising the steps of :

distilling from said crude light coal oil a first core fraction having a boiling range of 145 to 185°C and a second fraction having a boiling range less than said first core fraction;

extracting from said first core fraction the phenol content thereof; and;

admixing the generally phenol-free first core fraction with said second fraction.

Compl. Specn. 15 pages.

Drgs. 4 sheets.

CLASS : 32F, & 55E₄.

158911

Int. Cl. : C07c 19/08, 23/02 & 23/18.

"METHOD FOR THE PREPARATION OF ARTIFICIAL VITREOUS COMPOSITIONS".

Applicant : CHILDREN'S HOSPITAL MEDICAL CENTER, a corporation organized under the laws of the State of Ohio, United States of America, of Elland and Bethesda Avenues, Cincinnati, Ohio 45229, U.S.A.

Inventor : LELAND CHARLES CLARK.

Application for Patent No. 240/Del/83 filed on 11th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A method for the preparation of artificial vitreous composition which comprises mixing two or more liquid perfluorocarbons selected from the group consisting of perfluoro-(methylcyclohexane), perfluoro-(1, 3-dimethylcyclohexane), perfluoro-(decahydronaphthalene), perfluoro-(decahydro-1-methyl-naphthalene), perfluoro-(decahydro-1-methyl-naphthalene), perfluoro-dimethyladamantane, perfluorotrimethylbicyclo-[3.3.1] nonane, perfluoro-tetrahydrodicyclopentadiene, perfluorobicyclo-(3.3.1) Nonane, and emulsifying the mixture so formed in water to obtain said artificial vitreous composition.

Compl. Specn. 28 pages.

CLASS : 155 B, D & E.

158912

Int. Cl. D06m 17/00.

"A FABRIC COMPRISING A LAMINATE".

Applicant : TIOXIDE GROUP PLC, a British company of 10 Stratton Street, London W1A 4XP, England.

Inventor : FREDERICK MASSEY.

Application for Patent No. 244/Del/83 filed on 13th April, 1983.

Convention date 1st July, 1982/8218974/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A fabric comprising a laminate of a first layer of woven polymeric fabric of the kind as herein described, a second layer of woven polymeric fabric of the kind as herein described containing spaced threads of staple metal fibres of the kind as herein described and an intermediate layer positioned between the first and second layers and adhering thereto and comprising a film of polymeric material of the kind as herein described providing a moisture barrier between the first and second layers.

Compl. Specn. 11 pages.

Drgs. 2 sheets.

CLASS : 9 D & 151 D.

158913

Int. Cl. C22C 39/54, 41/00.

"PROCESS FOR PRODUCING STEEL PIPE WITH IMPROVED PROPERTIES".

Applicants : CSEPEL MUVEK TERVEZO KS KUTATO INTEZETE, an Hungarian company of P.O.B. 87, 1751 Budapest, Hungary.

Inventors : MIHALY STEFAN, ZOLTAN HEGEDUS & OTTO KAPAS.

Application for Patent No. 250/Del/83 filed on 15th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for producing steel pipes with improved properties, applicable both for constructive and mining purposes, from combined micro-applicable alloyed steels, characterised in that the chemical composition of the steel is adjusted by a converter, arc-light or Siemens-Martin steel-producing process, ladle metallurgical alloyage, dust blowing-in or alloyage in a ladle to a C/V value between 0.4 and 1.5, preferably between 0.8 and 1.2, its sulphur content to a value of 0.003—0.012% by weight, preferably to a value of 0.005—0.008% by weight, and its calcium content to a value of 0.002—0.02% by weight preferably 0.005—0.01% by weight, and the starting ingot is formed to a uniformly rough austenitic grain structure by heating to a temperature exceeding 1200°C then by an at least 20%, preferably 40% formation/punching/a recrystallised material with a finer austenitic grain structure is formed and rolled to the ready size by a temporally interrupted series of thermal formation with at least 50% preferably 80 to 85% formation.

Compl. Specn. 20 pages.

CLASS : P4-A & 88-D.

158914

Int. Cl. C10 13/00.

"A GAS GENERATING COMPOSITION AND A PROCESS FOR PREPARING THE SAME".

Applicant : CHIEF CONTROLLER RESEARCH & DEVELOPMENT, Ministry of Defence, Government of India, (India), an Indian national.

Inventor : PRAFULLA KUMAR MISHRA.

Application for Patent No. 252/Del/83 filed on 16th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A gas generating composition comprising

(a) a base mix consisting of

(i) 25—40% by weight of a primary fuel such as nitrocellulose;

(ii) 0—15% by weight of a secondary fuel such as herein described; and

(iii) 10—40% by weight of a synergistic activator such as aliphatic or cyclic nitrogen compound;

(b) 25 to 45% by weight of a lacrymarory, nauseating or colour smoke product agent as herein described; and

(c) 15 to 20% by weight of rate modifiers as herein described and 1 to 2% of stabilizer as herein described.

Compl. Specn. 11 pages.

CLASS : 40 H [IV(1)].

158915

Int. Cl. : F 25J-3/00.

"A CYCLIC PROCESS FOR THE REMOVAL OF ACID GASES FROM A FEED GAS STREAM".

Applicant(s) : EXXON RESEARCH AND ENGINEERING COMPANY, a corporation of Delaware, United States of America, carrying on business as a company for the holding of patents and granted licenses thereunder, and technical development and research work at 200 Park Avenue, Florham Park, New Jersey, United States of America.

Inventor(s) : ROBERT MICHAEL OSMAN.

Application for Patent No. 277/Del/83 filed on 2nd May, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A cyclic process for the removal of acid gases from a feed gas stream comprising a hot, steam-containing gas mixture by means of an aqueous alkaline scrubbing solution which is continuously recycled between an absorber in which said acid gases are absorbed by said scrubbing and a regenerator in which said acid gases are desorbed by steam-stripping, said hot steam containing gas mixture having at least a portion of the steam content therein condensed and separated from the gas mixture, prior to said gas mixture entering the absorber, to form a process condensate having gaseous impurities dissolved therein, characterised by :

(a) subjecting said process condensate to a pressure lower than the pressure at which scrubbing solution regeneration takes place;

(b) subsequently heating the process condensate resulting from, and at the pressure of, step (a) with at least one fluid having a temperature sufficient to boil said process condensate to strip said process condensate of at least a portion of the gaseous impurities dissolved therein and to yield a vaporous mixture comprising steam and said stripped gaseous impurities;

(c) separating said vaporous mixture of step (b) from the stripped process condensate and compressing the vaporous mixture to a pressure at least equal to the pressure at which scrubbing solution regeneration takes place;

(d) introducing said compressed vaporous mixture into the regenerator to assist in said steam stripping.

Compl. Specn. 27 pages.

Drgs. 2 sheets.

CLASS : 32F₂ (b).

158916

Int. Cl. C07d 27/00.

"PROCESS FOR THE SYNTHESIS OF 14-(3'-SUBSTITUTED-AMINO-2' HYDROXY-PROPYLOXY)-14-AZADISPIRO [5.1.5.2]-PENTADAC-9-ENE-7, 15-DIONE USEFUL AS B₁-BLOCKERS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventor : NEELIMA, AMIYA PRASAD BHADURI, RIKHAB CHAND SRIMAL AND BHOLA NATH DHAWAN.

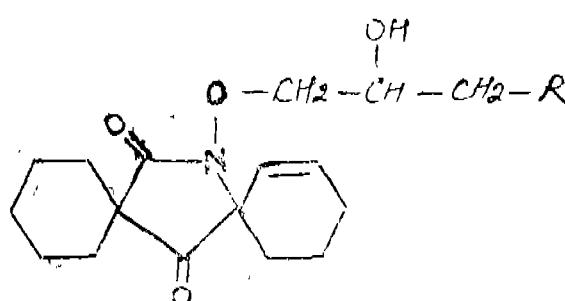
Application for Patent No. 316/Del/1983 filed on 16th May, 1983.

Complete Specification left on 16th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

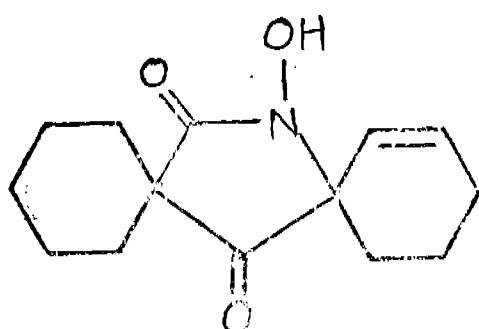
4 Claims

A process for the preparation of 14-(3'-substituted-amino-3'-hydroxy-propoxy)-14 azadispiro [5.1.5.2] pentadec-9-ene, 17, 15-dione of the formula III



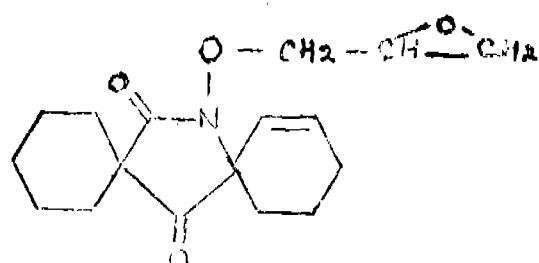
2

possessing potent-B₁ blocking activity wherein R represents aliphatic or aromatic, primary or secondary amine radical which comprises treating a compound of the formula I



3

with epichlorohydrin to obtain a compound of the formula II



4.

which is subsequently reacted with aliphatic or aromatic primary or secondary amine.

Provisional Specn. 7 pages.

Compl. Specn. 8 pages.

Drg. 1 sheet.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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152916	152917	152918	152919	152920	152921	152922
152923	152924	152925	152926	152927	152928	152929
152930	152931	152932	152933	152934	152935	152936
152937	152938	152939	152940	152941	152942	152943
152944	152945	152946	152947	152948	152949	152950
152951	152952	152953	152954	152955.		

(2)

152977	152978	152979	152980	152981	152982	152983
152984	152985	152986	152987	152988	152989	152990
152991	152992	152993	152994	152995	152996	152997
152998	152999	153000	153001	153002	153003	153004
153005	153006	153007	153008	153009	153010	153011
153012	153013	153014	153015	153016	153017	153018
153019	153020	153021	153022	153023	153024	153025
153026	153027	153028	153029	153030	153031	153032
153033	153034	153035	153036.			

PATENTS SEALED

137578	152806	154882	155460	155478	155842	155936
155938	155973	156009	156050	156085	156092	156111
156112	156150	156151	156235	156279	156454	156465
156468	156543	156608	156616	156637	156677	156699
156700	156732	156769	156773	156774	156781	156782
156783	156952	156953	156962	156964	156971	156973
			156985.			

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendment proposed by Peico Electronics & Electricals Limited, in respect of Patent No. 144502 as advertised in the Part III, Section 2 of the Gazette of India dated the 14th June, 1986 has been allowed.

(2)

The amendment proposed by Cassella Aktiengesellschaft, in respect of Patent application No. 152162 as advertised in Part III, Section 2 of the Gazette of India dated the 5th July, 1986 has been allowed.

(3)

The amendments proposed by Plessey Overseas Limited in respect of Patent application No. 157457 as advertised in Part III, Section 2 of India dated the 16th August, 1986 have been allowed.

**REGISTRATION OF ASSIGNMENTS LICENCES ETC.
(PATENTS)**

Assignments, Licences or other transactions effecting the interests of the original Patentees have been registered in the following cases. Number of each case is followed by the name of the parties claiming interests.

143470 Kiemer Pyrolyse Gesellschaft Fur Thermische Amtfallverwertung MBH.

142633
143657
143658
144719

} Indo Flogates Limited

143110
144211
142352
142217
143343
143486
145361
145529

} Societe Des Products Nestle S.A.

145646
146510

} Herman Corporation
Pryabrata Sanyal
Proprietor Esscom Electronics

154678

} University Patents Inc and Contracap Inc.

STATEMENT REGARDING ASSIGNMENTS OF PATENTS REGISTERED UNDER SECTIONS 68 & 69; FOR THE PERIOD OF OCTOBER, 1986 TO DECEMBER, 1986

(FROM INDIAN TO INDIAN)

Patent No.	Patentee	Assigned to	Date of Assignment	Entry made Under Sec.	Entry made on
153877	The Council of Scientific & Industrial Research, N. Delhi, INDIA.	National Research Dev. Corp. of India, New Delhi, INDIA.	25-8-86	Sec. 68	17-11-86
154765	Chief Controller, Min. of Defence, Govt. of India, NEW DELHI.	National Research Dev. Corp. of India, N. Delhi, INDIA.	18-7-86	Sec. 68	14-11-86
151162	Triple PA Trust Maharashtra, India.	Mrs. Ashwini Avinash Ranade 14, B/2, Model Town, Bal Rajeshwar Road, Bombay, India.	11-9-86	Sec. 68	28-11-86
152386	Chief Controller Research & Dev. Organisation, Min. of Defence, Govt. of India, NEW DELHI.	National Research Dev. Corp. of India, New Delhi, INDIA.	19-12-85	Sec. 68	15-12-86
149572	Dilip Kundal Lal Javeri, Shirish Kundal Lal Javeri, Rajendra Kundal Javeri, BOMBAY, INDIA.	Otoklin Plants & Equipments Ltd., 1006 Prasad Chambers, BOMBAY, INDIA.	6-2-86	Sec. 68	30-12-86

STATEMENT REGARDING LICENCE AGREEMENTS OF PATENTS REGISTERED UNDER SEC. 68 & 69 FOR THE PERIOD OF OCTOBER, 1986 TO DECEMBER, 1986

(FROM FOREIGNERS TO INDIAN)

Patent No.	Patentee	Licence granted to	Licence granted on	Entry made Under Sec.	Entry made on
142633	Flogates Ltd., a British Company, Sandiron House, Beauchief Sheffield S7 2RA Yorkshire, United Kingdom.	Indo Flogates Ltd., an Indian Company, 3, Netaji Subhas Road, Calcutta-1, India.	5-3-86	Sec. 68 & Sec. 69	13-11-86
143657	Do.	Do.	Do.	Do.	Do.
143658	Do.	Do.	Do.	Do.	Do.
144719	Do.	Do.	Do.	Do.	Do.
150675	Do.	Do.	Do.	Do.	Do.
143770	Rieter Machine Works Ltd., Switzerland.	Lakshmi Machine Works Ltd., Coimbatore, India.	3-6-83	Sec. 68	8-12-86
148513	Do.	Do.	Do.	Do.	Do.

STATEMENT REGARDING LICENCE AGREEMENTS OF PATENTS REGISTERED UNDER SEC. 68 & 69
FOR THE PERIOD OF OCTOBER, 1986 TO DECEMBER, 1986
(FROM INDIAN TO INDIAN)

Patent Nos.	Patentee	Licence granted to	Licence granted on	Entry made Under Sec.	Entry made on
141910	National Research Development Corpn. of India, New Delhi.	M/s. Chiragdeep Paper Innovators Pt. Ltd., Bhopal India.	11-6-86	Sec. 68	8-12-86
146510	Ritabrata Sanyal Calcutta, India.	Priyabrata Sanyal, Proprietor, of Essem Electronics, 11-B, S.N. Banerjee Road, Calcutta-700013, India.	24-8-86	Sec. 68 & 69	22-12-86

RENEWAL FEES PAID

137762	138221	138716	138820	139400	139401	139702
140031	140164	140939	141347	142130	142188	142300
142391	142718	142977	143014	143016	143234	143301
143319	143522	143612	143658	143683	143768	143832
144362	144540	144719	144765	144907	144941	145250
145275	145379	145466	145570	146393	146484	146638
146659	146829	146851	146871	146900	147292	147304
147320	147352	147553	147590	147740	147941	148076
148080	148182	148259	148371	148407	148419	148951
148952	148953	148954	148993	149165	149208	149241
149304	149429	149625	149638	149746	149898	150046
150265	150356	150359	150416	150458	150613	150707
150787	150902	150903	150911	151203	151518	151656
151660	151842	151979	152264	152499	152845	152923
153170	153171	153211	153227	153291	153418	153419
153460	153467	153504	153514	153515	153542	153547
153550	153551	153557	153558	153559	153581	153589
153614	153634	153753	153766	153880	154034	154148
154190	154196	154509	154534	154654	154676	154720
154732	154845	154985	154997	155151	155154	155155
155156	155159	155181	155182	155183	155202	155203
155208	155223	155228	155379	155569	155571	155574
155575	155578	155606	155607	155609	155611	155612
155627	155631	155642	155655	155656	155657	155707
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155989	156000	156004	156072	156083	156087	156104
156115	156152	156155	156166	156203	156230	156313
156324	156335	156336	156357	156404	156429	156595
156618	156623	156624	156628	156631	156634	156656
156660	156666	156726	156734	156802	156858	156937
156954	157027.					

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157290. Narendra Kumar Jain, Indian National, of 28-B, Meher-Apartments, Anstey Road, Bombay-400 026, State of Maharashtra, India. "LAMP". 28th July, 1986.

Class 1. No. 157291. Kirloskar Brothers Limited, (a Company incorporated under the Provisions of Indian Companies Act) at Udyog Bhavan, Tilak Road, Pune-411 002, State of Maharashtra, India. "Two Stage Electric Monobloc Pump". 28th July, 1986.

Class 1. No. 157234. R. K. Manufacturing Company 183/4 Gurdwara Road Thaper Nagar, Gali No. 4, Meerut City, Uttar Pradesh, manufacturing firm, proprietor is Rohtash Kumar Indian national, of above address. "High Pressure Regulators (LPG)". 8th July, 1986.

Class 1. No. 157403. Smt. Asha Saxena Proprietor of M/s. Stand-O-Stand, 58/50, Birhana Road, Kanpur-208 001, U.P., India, Indian national. "Stand For Stool, Teapoy, Table and the like", 29th August, 1986.

Class 3. No. 157027. Dara Jehangirji Frenchman, an Indian citizen of Lam Building, 2nd Floor, Next to Sathe's Godown, Opposite to Lower Parel Railway Station, (East), Bombay-400 013, Maharashtra, India. a "Sprayer". 7th May, 1986.

Class 3. No. 157187. V. I. P. Industries Limited, of V. I. P. House 88C, Old Prabhadevi Road Bombay-400 025, Maharashtra, India, an Indian Company. "Handle for Brief Case". 20th June, 1986.

Class 3. No. 157188. V. I. P. Industries Limited of V. I. P. House, 88C, Old Prabhadevi Road, Bombay-400 025, Maharashtra India, an Indian Company. "Tourister Bag". 20th June, 1986.

Class 3. No. 157220. Roxal Industries : 3541-Qutab Road, Delhi-110 006, an Indian Partnership Concern, "Tray Set". 30th June, 1986.

Class 3. Nos. 157144, 157145. V. I. P. Industries Limited, of V. I. P. House, 88C, Old Prabhadevi Road, Bombay-400 025, Maharashtra, India, an Indian Company. "Brief Case". 12th June, 1986.

Class 3. No. 157250. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400 038, Maharashtra, India, an Indian Company. "a Single Pole Breaker". 11th July, 1986.

Class 3. No. 157316. Mahavir Products, 213 Sati Industrial Estate, I. B. Patel Road, Goregaon (East), Bombay, State of Maharashtra, India. "A Water Jug". 5th August, 1986.

Class 3. Nos. 157242, 157243. Video Marketing Services Properties Ltd., a company duly incorporated under the laws of Hong Kong, of 8th floor, Printing House, 6 Duddell Street, Central Hong Kong, Hong Kong. "Video Dispenser". Reciprocity date is 9th January, 1986. (Australia).

Class 3. No. 157260. Rotomould (India), Vijay Industrial Estate, Padra Road, Samiara, Baroda-391 410, Gujarat, India, an Indian Partnership firm "Storage Tank". 14th July, 1986.

Class 4. No. 157210. Annamalai Gnanasekaran, of Plot No. 31, Annai Sathya Nagar, Ponniyman Madu P.O., Madras-600 110, Tamil Nadu, India, an Indian National, a "Well Ring". 30th June, 1986.

Class 12. No. 157301. Pond's (India) Ltd., an Indian Company of 26 Commander-In-Chief Road, Madras-600 105, Tamil Nadu, India. "SOAP". 30th July, 1986.

Extn. of Copyright for the Third period of five years.
No. 150829. Class-1.

Nos. 150969, 150952, 150830, 150654, 150729, 150354, 150355, 150356. Class-3.

Extn. of Copyright for the Third period of five years.
No. 150969. Class-3.

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Agracetus and Grace ASC Corporation—301/Cal/86.
Alkaloida Vegyeszetigyar—291/Mas/86.
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Armco Inc.—387/Del/86.
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Kopnel Aktiengesellschaft	—388/Del/86.
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282/Mas/86

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M & T. Chemicals Inc.	—384/Del/86.
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"P"	Standard Oil Company The—356/Del/86.
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Ramnaney A.—358/Del/86.	Ultraseal International Ltd.—381/Del/86.
Ravi R.—303/Mas/86.	Umberto ZARDT—264/Cal/86.
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